

The Complete Engineer® Conference 2020 At-A-Glance Conference Schedule

**Saturday, March 7, 2020
Nebraska Innovation Campus (NIC)**

Time	Session Title	Location
7:45 AM	Scott Campus Only – Check-In	PKI Atrium
8:00 AM	Scott Campus Only – Shuttle Departs for Lincoln	PKI to NIC
8:30 AM	All Students – Check In <i>Continental Breakfast & Coffee</i>	1 st Floor
9:00 AM	Welcome	Auditorium
9:30 AM	Breakout 1 Choose One Workshop to Attend	Breakout Rooms
10:45 AM	Breakout 2 Choose One Workshop to Attend	Breakout Rooms
12:00 PM	Lunch & Keynote <i>Meryl Mallery</i> <i>Vice President of Engineering</i> <i>Ensign-Bickford Aerospace & Defense Company</i>	Banquet Hall
1:30 PM	Breakout 3 Choose One Workshop to Attend	Breakout Rooms
2:30 PM	Mixer <i>Network with workshop presenters to gain perspective on the importance of non-technical skills.</i>	Banquet Hall
3:30 PM	Closing Remarks	Banquet Hall
4:00 PM	Scott Campus Only – Board Shuttle for Omaha	NIC to PKI

WI-FI INFORMATION

Network: NU-Guest

Username: March7

Password: Innovate2020!



Intercultural
Appreciation



Leadership



Teamwork



Self-
Management



Service & Civic
Responsibility



Understanding of
Engineering Ethics

What is the Complete Engineer® Initiative?

The Complete Engineer Initiative highlights the necessity and supports the development of many non-technical competencies needed to solve the various societal challenges we face in the 21st century and beyond. At its core, this initiative is a conceptual framework for collegiate engineers to understand that their technical expertise must be paired with essential non-technical competencies to provide comprehensive and sustainable engineering solutions. By providing opportunities for students to develop and apply their understanding of the six core competencies through leadership classes, co-curricular programs and services, we are confident our communities will be even better served by graduates of the University of Nebraska-Lincoln College of Engineering.

Keynote Speaker: Meryl Mallery, Vice President of Engineering

Ensign-Bickford Aerospace & Defense Company



Meryl Mallery has been the Vice President of Engineering at Ensign-Bickford Aerospace & Defense Company since 2015. Mrs. Mallery has over 25 years of experience in the Aerospace and Defense Industry.

She began her career in 1987 working at the Kaiser Marquardt Corporation in Van Nuys, CA. For the next three years she worked on the analysis and design of liquid and gas rocket propulsion systems for tactical and missile defense. She spent the next several years working at Sverdrup Technology in Huntsville, Alabama supporting the Space Shuttle main engine program at Marshall Space Flight Center. In September of 1997, she began her career at the Ensign-Bickford Aerospace and Defense Company (EBAD) starting as a Research and Development Engineer working on commercial mining and blasting IR&D projects. She moved to the Aerospace group in 1999 and worked as both an Aerospace Project Engineer and Analytical Engineer before being promoted to Manager of Aerospace Project Engineering in 2008, Director of Project




Engineering in 2011 and then becoming the Vice President of Engineering in 2015. Meryl has published several papers in the aerospace field and was a finalist for the Petit Foundation “Women in Science Leadership Award” in 2014. In 2019, she was honored by the Connecticut Girl Scouts at their “Women Who Soar” event. She is passionate about supporting STEM education and is an active member of the Connecticut Science Center Board of Trustees as well as the Connecticut Women’s Hall of Fame (CWHF) Board of Trustees.

Meryl holds a B.S. in Mechanical and Aeronautical Engineering from U.C. Davis and an M.S. in Mechanical Engineering from Penn State.




Breakout Workshops

These 50-minute breakout sessions allow you to customize your conference experience. Choose one workshop to attend during each breakout time. Don't forget, you still can network with industry at the mixer!

Breakout 1 – 9:30 AM

<p>A1</p>	<p>Develop Your Brand and Drive Your Career By consciously developing a personal brand, you can improve your chances of making connections for your first job, and grow a fulfilling career in engineering. Building a personal brand is not something that happens overnight, it can take lots of planning and months of hard work to start seeing the results. A personal brand is who you are, what you stand for, the values you embrace and the way in which you express those values.</p>	<div style="text-align: center;">  <p>Meryl Mallery, Vice President Engineering Ensign-Bickford Aerospace & Defense</p> <p>Eric Mumm, Vice President Engineering, 2000 Alum Honeybee Robotics</p> <p>Claudia Dinardo, University Recruiting Intern, Current UNL Student Ensign-Bickford Aerospace & Defense</p> </div>
<p>A2</p>	<p>Engineering as a Service Profession: The Importance of Skills Based Volunteering Social impact in the workforce is changing and employees have more power and opportunity to help others. With a growing emphasis on skills based volunteering, we'll discuss how to find opportunities in your community and what to look for after graduation.</p>	<div style="text-align: center;">  <p>Chad Kilpatrick, Head of Talent Community 2012 and 2019 Alum Spreetail</p> </div>
<p>A3</p>	<p>A Dynamic Approach: How to Avoid "Us" and "Them" Establishing a group identity can provide a sense of belonging for the individual and a stronger bond for the team as a whole. But this approach can also generate the unintended consequence of 'us' within the group, and 'them' on the outside. The focus of this workshop is to recognize and address the inherent strengths and weaknesses of the "us versus them" approach, when it is and is not an appropriate strategy, and how it relates to an engineering design team and society as a whole.</p>	<div style="text-align: center;">  <p>Matt Hebert, A-E Services Coordinator 2011 Alum U.S. Army Corps of Engineers</p> </div>

Breakout 2 – 10:45 AM

<p>A1</p>	<p>What I Wish I'd Known... Ever wonder what it will be like to work as an engineer? Will you be ready to work on a team? With clients? On large projects? This interactive session includes small-group discussions regarding excerpts from W. J. King's, <i>The Unwritten Laws of Engineering</i>; large-group scenario discussions, and presentations by UNL graduates about their experiences transitioning from students to professional engineers at Olsson Associates. Each workshop attendee receives a copy of King's book.</p>	 <p>Brian Scheule, Project Engineer, 2011 Alum Nick Steinke, Technical Leader Olsson</p>
<p>A2</p>	<p>Leadership Is a Team Sport Leadership is a team sport! As a Leader, you need to coach, mentor, empower and find ways to communicate with people who have different skill sets. As a young engineer, you need to learn when to take the initiative to lead, and other times you need to be prepared to let go and let others lead you. There is not one "right" way to achieve success. This session will provide a chance to interact with others using different forms of communication and varying amounts of information.</p>	 <p>Anna Grimes, Civil Engineering Department Manager E & A Consulting Group, Inc.</p>
<p>A3</p>	<p>Engineering Contact Centers in the Cloud with Amazon Web Services Setting up and configuring a Contact Center requires the time and effort of different areas in a company, this would not be possible without a vital component: Teamwork. In this workshop you will explore some of the challenges Engineers face when working on big projects that require a lot of interactions with members of different teams and learn some of the strategies used to overcome these obstacles. Join to collaborate, design and build a Contact Center using technology provided by Amazon Web Services.</p>	 <p>Rodrigo Ramirez, Technical Solution Architect Mutual of Omaha</p>

Breakout 3 – 1:30 PM

<p>A1</p>	<p>The Link Between Engineering and Business Ethics Engineering and ethics is commonly linked. A Complete Engineer will experience and overcome business and engineering ethical issues in a successful career. Examples of how a global organization manages unique ethical issues that conflict depending on countries involved will be discussed, as well as conquering engineering ethical issues depending on what is presented to the customer.</p>	 <p>Megan Verch, Senior Product Development Engineer 2008 Alum Valmont Industries, Inc.</p>
<p>A2</p>	<p>The Burnout Epidemic: Maintaining Balance in the American Workplace Engineers are expected to change the world, but the continually rising pressure on high-performing workers has pushed many to brink of burnout. In this workshop, we'll dive into the causes of burnout and discuss how to manage your time at work effectively <i>and</i> efficiently, keep work <i>at</i> work, and invest your time and energy into your home life, all of which are critical to maintaining a healthy work-life balance and sustained, long-term career success.</p>	 <p>Brandon Pfeifer, Software Engineer 2015 Alum Garmin</p>
<p>A3</p>	<p>Engineering Competencies are Key to Modernizing the Insurance Buying Experience Imagine the experience of interacting with a 30 year old system when you are buying a life insurance policy to protect your loved ones. Mutual of Omaha's modernization journey would streamline the interaction between the buyer and seller of insurance policies by leveraging cutting edge technologies and by applying several key engineering principles. This session will provide a snapshot of how "modern technology driven insurance process flow" can be achieved by self-management, leadership skills and teamwork.</p>	 <p>Sanith Ray, Principal Enterprise Architect Raj Duddu, Application Systems Analyst Mutual of Omaha</p>